Specification for monolithic crystal filter: MQF 10.7-0750/02

1. General

1.1. Package: 2 x GH 3 (each filter consists of a pair of two matched duals)

1.2. Type name: MQF 10.7-0750/02

1.3. Number of poles: 4

1.4. Operating temperature range: -40°C to +85°C

1.5. Storage temperature range: -55°C to +85°C

2. Electric values

2.1. Nominal centre frequency $f_0$: 10.7 MHz

2.2. Pass band

2.2.1. Bandwidth between 3 dB - frequencies: $\geq f_0 \pm 3.75$ kHz

2.2.2. Ripple: $\leq 1.0$ dB at $f_0 \pm 3.0$ kHz

2.2.3. Insertion loss: $\leq 2.5$ dB

( measured on smallest attenuation in pass band )

2.3. Stop band

2.3.1. $f_0 \pm 14$ kHz $\geq 40$ dB

2.3.2. $f_0 + 300$ kHz........+ 1000 kHz $\geq 65$ dB

2.3.3. $f_0 - 200$ kHz........- 1000 kHz $\geq 80$ dB

2.4. Terminating impedance (input and output): 1800 Ω // 3.5 pF

2.4.1. Coupling capacitance $C_c$: 12 pF

3. Marking: manufacturer, date code

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4. Environment conditions: Corresponding to Vectron standard CF001

Edited by: ________________________________ name: ________________________________